

ARKWOOD, INC. SUPERFUND SITE

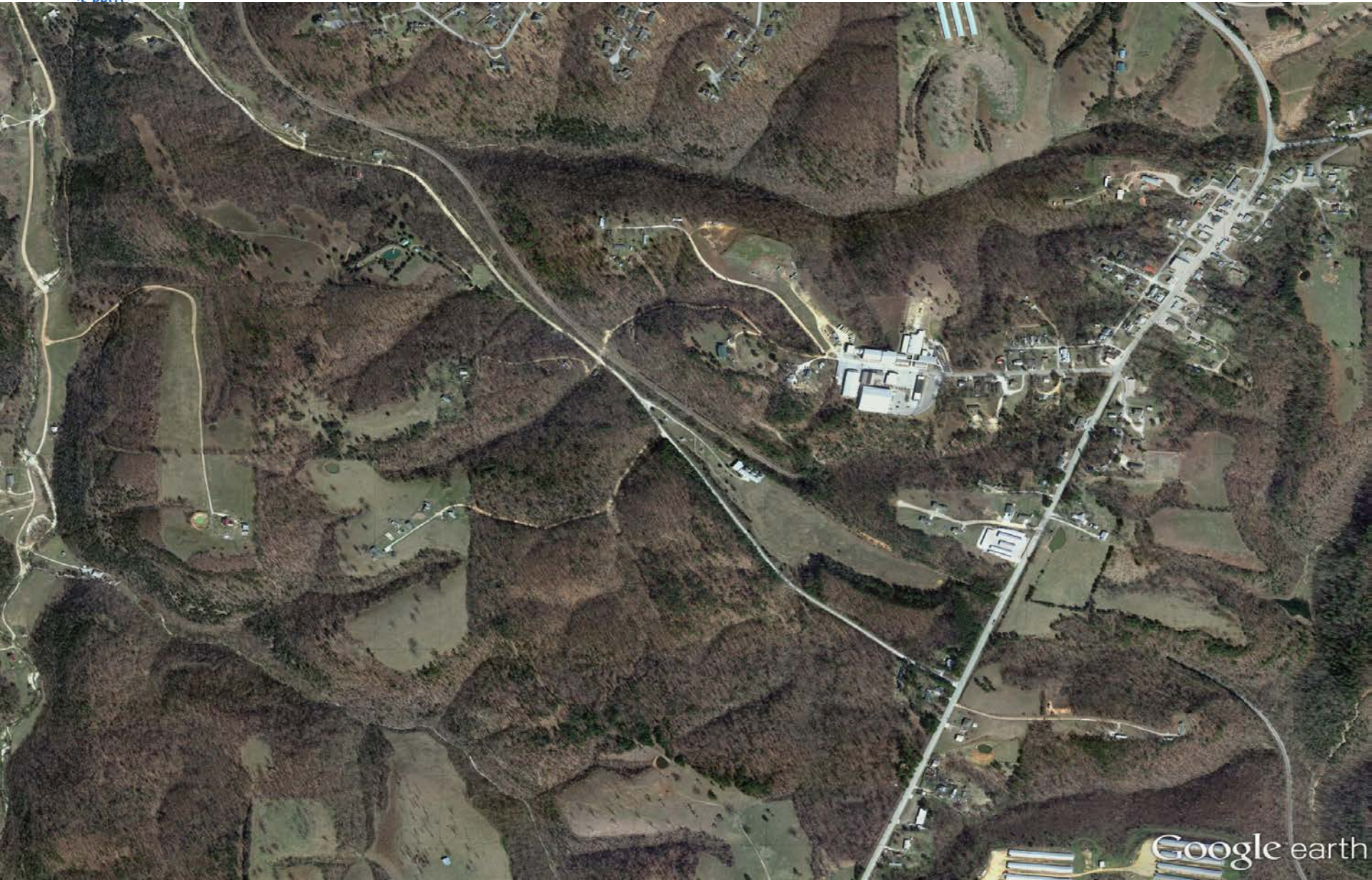


U.S. EPA, REGION 6

May 2015



SITE MAP





HISTORY

- 1962-1984: Wood treating operations
- 1985: NPL Proposed
- 1989: NPL Final
- Contaminants:
 - Dioxin (2,3,7,8-TCDD)
 - Pentachlorophenol (PCP)
 - Polynuclear aromatic hydrocarbons (Benzo(a)pyrene)



EPA REMEDY

- 1990 ROD:
 - Soil risk goal set at industrial scenario
 - Dioxin: 20 $\mu\text{g}/\text{kg}$ (ppb) = 20,000 ppt
 - PCP: 300 mg/kg (ppm)
 - B(a)P: 6 mg/kg (ppm)
- Excavation, on-site Incineration (off-site 1995 ESD), and cover site with 6" clean topsoil
- GW MNA monitoring (w PCP treatment as contingency, implemented in 1997) to AR WQS



Arkwood Site

U.S. Highway 65





Arkwood Site

Cricket Road





DIOXIN REASSESSMENT

- Feb. 17, 2012: new national soil PRGs
 - 50 ppt residential
 - 664 ppt commercial/industrial
- May 2014: update
 - 51 ppt residential
 - 730 ppt commercial/industrial

*unchanged: MCL: 30 ppq



SITE SAMPLING

- Oct 2014: soil incremental sampling





SITE SAMPLING

- Nov. 2014 – Jan. 2015: gw dye tracing
 - show google earth



HQ

- Dioxin soil can be contained, <principal threat waste ~ 20,000 ppt>
- 6" cover good
- Colloidal transport in karst needs to be verified
- Stricter ICs



Next Steps

- May 18-19: Inspection w/ EPA HQ, ADEQ, PRPs
- June: Comments to PRPs
- Summer: Resolve comments, finalization of soil/gw reports
- Fall: Implement next sampling phase



Misc

- Lawsuit